

# Qi-Dai Chen

## List of Publications by Year in descending order

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173  
papers

7,597  
citations

43973

48  
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62479

80  
g-index

179  
all docs

179  
docs citations

179  
times ranked

8556  
citing authors

#	ARTICLE	IF	CITATIONS
1	Designable 3D nanofabrication by femtosecond laser direct writing. Nano Today, 2010, 5, 435-448.	6.2	452
2	Carbon-Based Photothermal Actuators. Advanced Functional Materials, 2018, 28, 1802235.	7.8	297
3	Three-Level Biomimetic Rice-Leaf Surfaces with Controllable Anisotropic Sliding. Advanced Functional Materials, 2011, 21, 2927-2932.	7.8	251
4	Photoreduction of Graphene Oxides: Methods, Properties, and Applications. Advanced Optical Materials, 2014, 2, 10-28.	3.6	235
5	Ferrofluids for Fabrication of Remotely Controllable Micro-Nanomachines by Two-Photon Polymerization. Advanced Materials, 2010, 22, 3204-3207.	11.1	222
6	Moisture-Responsive Graphene Paper Prepared by Self-Controlled Photoreduction. Advanced Materials, 2015, 27, 332-338.	11.1	214
7	Efficient and mechanically robust stretchable organic light-emitting devices by a laser-programmable buckling process. Nature Communications, 2016, 7, 11573.	5.8	182
8	Plasmonic nano-printing: large-area nanoscale energy deposition for efficient surface texturing. Light: Science and Applications, 2017, 6, e17112-e17112.	7.7	177
9	Unraveling Bright Molecule-Like State and Dark Intrinsic State in Green-Fluorescence Graphene Quantum Dots via Ultrafast Spectroscopy. Advanced Optical Materials, 2013, 1, 264-271.	3.6	144
10	High numerical aperture microlens arrays of close packing. Applied Physics Letters, 2010, 97, .	1.5	143
11	Bioinspired Fabrication of High-Quality 3D Artificial Compound Eyes by Voxel-Modulation Femtosecond Laser Writing for Distortion-Free Wide-Field-of-View Imaging. Advanced Optical Materials, 2014, 2, 751-758.	3.6	134
12	Plasmonic-Assisted Graphene Oxide Artificial Muscles. Advanced Materials, 2019, 31, e1806386.	11.1	134
13	Protein-based soft micro-optics fabricated by femtosecond laser direct writing. Light: Science and Applications, 2014, 3, e129-e129.	7.7	133
14	Slow cooling and efficient extraction of C-exciton hot carriers in MoS2 monolayer. Nature Communications, 2017, 8, 13906.	5.8	132
15	Femtosecond laser programmed artificial musculoskeletal systems. Nature Communications, 2020, 11, 4536.	5.8	117
16	O-FIB: far-field-induced near-field breakdown for direct nanowriting in an atmospheric environment. Light: Science and Applications, 2020, 9, 41.	7.7	113
17	Bandgap Tailoring and Synchronous Microdevices Patterning of Graphene Oxides. Journal of Physical Chemistry C, 2012, 116, 3594-3599.	1.5	111
18	Aqueous multiphoton lithography with multifunctional silk-centred bio-resists. Nature Communications, 2015, 6, 8612.	5.8	111

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19	Dynamically Tunable Protein Microlenses. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1558-1562.	7.2	105
20	Sensitively Humidity-Driven Actuator Based on Photopolymerizable PEG-DA Films. <i>Advanced Materials Interfaces</i> , 2017, 4, 1601002.	1.9	101
21	Femtosecond Laser Direct Writing of Metallic Micro/Nanostructures: From Fabrication Strategies to Future Applications. <i>Small Methods</i> , 2018, 2, 1700413.	4.6	95
22	Ultrafast optical spectroscopy of surface-modified silicon quantum dots: unraveling the underlying mechanism of the ultrabright and color-tunable photoluminescence. <i>Light: Science and Applications</i> , 2015, 4, e245-e245.	7.7	93
23	Dual-3D Femtosecond Laser Nanofabrication Enables Dynamic Actuation. <i>ACS Nano</i> , 2019, 13, 4041-4048.	7.3	90
24	S-Tapered Fiber Sensors for Highly Sensitive Measurement of Refractive Index and Axial Strain. <i>Journal of Lightwave Technology</i> , 2012, 30, 3126-3132.	2.7	86
25	Whispering-gallery mode lasing from patterned molecular single-crystalline microcavity array. <i>Laser and Photonics Reviews</i> , 2013, 7, 281-288.	4.4	85
26	The Role of Trap-assisted Recombination in Luminescent Properties of Organometal Halide CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Perovskite Films and Quantum Dots. <i>Scientific Reports</i> , 2016, 6, 27286.	1.6	85
27	Distributed Feedback Lasers Based on Thiophene/Phenylene Co-Oligomer Single Crystals. <i>Advanced Functional Materials</i> , 2012, 22, 33-38.	7.8	81
28	Dry-etching-assisted femtosecond laser machining. <i>Laser and Photonics Reviews</i> , 2017, 11, 1600115.	4.4	73
29	A facile approach for artificial biomimetic surfaces with both superhydrophobicity and iridescence. <i>Soft Matter</i> , 2010, 6, 263-267.	1.2	72
30	Smart Compound Eyes Enable Tunable Imaging. <i>Advanced Functional Materials</i> , 2019, 29, 1903340.	7.8	66
31	Optical Nanofabrication of Concave Microlens Arrays. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800272.	4.4	65
32	Laser-Mediated Programmable N Doping and Simultaneous Reduction of Graphene Oxides. <i>Advanced Optical Materials</i> , 2014, 2, 120-125.	3.6	64
33	High efficiency multilevel phase-type fractal zone plates. <i>Optics Letters</i> , 2008, 33, 2913.	1.7	63
34	Miniature End-Capped Fiber Sensor for Refractive Index and Temperature Measurement. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 7-10.	1.3	62
35	Solvent-tunable PDMS microlens fabricated by femtosecond laser direct writing. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1751-1756.	2.7	62
36	Rapid Engraving of Artificial Compound Eyes from Curved Sapphire Substrate. <i>Advanced Functional Materials</i> , 2019, 29, 1900037.	7.8	60

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37	Etching-assisted femtosecond laser modification of hard materials. Opto-Electronic Advances, 2019, 2, 19002101-19002114.	6.4	60
38	100% Fill-Factor Aspheric Microlens Arrays (AMLA) With Sub-20-nm Precision. IEEE Photonics Technology Letters, 2009, 21, 1535-1537.	1.3	58
39	Non-Abelian braiding on photonic chips. Nature Photonics, 2022, 16, 390-395.	15.6	58
40	Photoluminescence quenching of inorganic cesium lead halides perovskite quantum dots (CsPbX <sub>3</sub> ) by electron/hole acceptor. Physical Chemistry Chemical Physics, 2017, 19, 1920-1926.	1.3	57
41	Enhanced efficiency of organic light-emitting devices with metallic electrodes by integrating periodically corrugated structure. Applied Physics Letters, 2012, 100, .	1.5	54
42	Surface-plasmon enhanced absorption in organic solar cells by employing a periodically corrugated metallic electrode. Applied Physics Letters, 2012, 101, .	1.5	53
43	Competition between subwavelength and deep-subwavelength structures ablated by ultrashort laser pulses. Optica, 2017, 4, 637.	4.8	53
44	Phase lenses and mirrors created by laser micromanufacturing via two-photon photopolymerization. Applied Physics Letters, 2007, 91, 171105.	1.5	51
45	Reflective Optical Fiber Sensors Based on Tilted Fiber Bragg Gratings Fabricated With Femtosecond Laser. Journal of Lightwave Technology, 2013, 31, 455-460.	2.7	50
46	Bioinspired Zoom Compound Eyes Enable Variable-Focus Imaging. ACS Applied Materials & Interfaces, 2020, 12, 10107-10117.	4.0	50
47	A simple strategy to realize biomimetic surfaces with controlled anisotropic wetting. Applied Physics Letters, 2010, 96, .	1.5	49
48	Surface-Plasmon-Mediated Programmable Optical Nanofabrication of an Oriented Silver Nanoplate. ACS Nano, 2014, 8, 6682-6692.	7.3	49
49	Femtosecond Laser Inscribed Sapphire Fiber Bragg Grating for High Temperature and Strain Sensing. IEEE Nanotechnology Magazine, 2019, 18, 208-211.	1.1	48
50	Electron Extraction Dynamics in CdSe and CdSe/CdS/ZnS Quantum Dots Adsorbed with Methyl Viologen. Journal of Physical Chemistry C, 2014, 118, 17240-17246.	1.5	42
51	Angle-multiplexed optical printing of biomimetic hierarchical 3D textures. Laser and Photonics Reviews, 2017, 11, 1600187.	4.4	41
52	Matching Photocurrents of Subcells in Double-junction Organic Solar Cells via Coupling Between Surface Plasmon Polaritons and Microcavity Modes. Advanced Optical Materials, 2013, 1, 809-813.	3.6	40
53	Dynamics of Strong Coupling between Aggregates and Surface Plasmon Polaritons in Subwavelength Hole Arrays. Advanced Functional Materials, 2016, 26, 6198-6205.	7.8	40
54	Two-photon induced amplified spontaneous emission from needlelike triphenylamine-containing derivative crystals with low threshold. Applied Physics Letters, 2009, 94, 201113.	1.5	39

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55	Compact Long-Period Fiber Gratings With Resonance at Second-Order Diffraction. IEEE Photonics Technology Letters, 2012, 24, 1393-1395.	1.3	39
56	Sapphire-Based Fresnel Zone Plate Fabricated by Femtosecond Laser Direct Writing and Wet Etching. IEEE Photonics Technology Letters, 2016, 28, 1290-1293.	1.3	39
57	Liquid-Assisted Femtosecond Laser Precision-Machining of Silica. Nanomaterials, 2018, 8, 287.	1.9	38
58	A light-driven turbine-like micro-rotor and study on its light-to-mechanical power conversion efficiency. Applied Physics Letters, 2012, 101, .	1.5	37
59	Protein-Based Three-Dimensional Whispering-Gallery-Mode Micro-Lasers with Stimulus-Responsiveness. Scientific Reports, 2015, 5, 12852.	1.6	37
60	Mechanical stretch for tunable wetting from topological PDMS film. Soft Matter, 2013, 9, 4236.	1.2	36
61	Self-organization of polymer nanoneedles into large-area ordered flowerlike arrays. Applied Physics Letters, 2009, 95, 091902.	1.5	35
62	Study of Electron-Phonon Coupling Dynamics in Au Nanorods by Transient Depolarization Measurements. Journal of Physical Chemistry C, 2010, 114, 2913-2917.	1.5	35
63	Single-pulse writing of a concave microlens array. Optics Letters, 2018, 43, 831.	1.7	35
64	Temperature effects on pinpoint photopolymerization and polymerized micronanostructures. Applied Physics Letters, 2008, 92, 041902.	1.5	34
65	Monitoring Thermal Effect in Femtosecond Laser Interaction With Glass by Fiber Bragg Grating. Journal of Lightwave Technology, 2011, 29, 2126-2130.	2.7	34
66	Dynamics of Strong Coupling between CdSe Quantum Dots and Surface Plasmon Polaritons in Subwavelength Hole Array. Journal of Physical Chemistry Letters, 2016, 7, 4648-4654.	2.1	34
67	Unraveling Charge Separation and Transport Mechanisms in Aqueous-Processed Polymer/CdTe Nanocrystal Hybrid Solar Cells. Advanced Energy Materials, 2014, 4, 1301882.	10.2	33
68	A Highly Sensitive Temperature Sensor Based on a Liquid-Sealed S-Tapered Fiber. IEEE Photonics Technology Letters, 2013, 25, 829-832.	1.3	31
69	Fabrication and Characterization of Organic Single Crystal-Based Light-Emitting Devices with Improved Contact Between the Metallic Electrodes and Crystal. Advanced Functional Materials, 2014, 24, 7085-7092.	7.8	31
70	Infrared Absorption of Femtosecond Laser Textured Silicon Under Vacuum. IEEE Photonics Technology Letters, 2015, 27, 1481-1484.	1.3	31
71	Photonic-Molecule Single-Mode Laser. IEEE Photonics Technology Letters, 2015, 27, 1157-1160.	1.3	31
72	Size-dependent one-photon- and two-photon-pumped amplified spontaneous emission from organometal halide $\text{CH}_3\text{NH}_3\text{PbBr}_3$ perovskite cubic microcrystals. Physical Chemistry Chemical Physics, 2017, 19, 2217-2224.	1.3	31

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73	Convex silica microlens arrays via femtosecond laser writing. <i>Optics Letters</i> , 2020, 45, 636.	1.7	31
74	Reprogrammable Soft Robot Actuation by Synergistic Magnetic and Light Fields. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	31
75	Band-Gap-Controllable Photonic Crystals Consisting of Magnetic Nanocrystal Clusters in a Solidified Polymer Matrix. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18542-18545.	1.5	30
76	Customization of Protein Single Nanowires for Optical Biosensing. <i>Small</i> , 2015, 11, 2869-2876.	5.2	28
77	Gold-Hyperdoped Black Silicon With High IR Absorption by Femtosecond Laser Irradiation. <i>IEEE Nanotechnology Magazine</i> , 2017, 16, 502-506.	1.1	28
78	Transient Absorption Spectroscopic Study on Band-Structure-Type Change in CdTe/CdS Core-Shell Quantum Dots. <i>IEEE Journal of Quantum Electronics</i> , 2011, 47, 1177-1184.	1.0	27
79	Programmable assembly of CdTe quantum dots into microstructures by femtosecond laser direct writing. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4699.	2.7	27
80	Dynamic laser prototyping for biomimetic nanofabrication. <i>Laser and Photonics Reviews</i> , 2014, 8, 882-888.	4.4	27
81	General Rules Governing the Dynamical Encircling of an Arbitrary Number of Exceptional Points. <i>Physical Review Letters</i> , 2021, 127, 253901.	2.9	27
82	Polarization dependent two-photon properties in an organic crystal. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	26
83	Dammann gratings as integratable micro-optical elements created by laser micronanofabrication via two-photon photopolymerization. <i>Optics Letters</i> , 2008, 33, 2559.	1.7	25
84	Rapid production of large-area deep sub-wavelength hybrid structures by femtosecond laser light-field tailoring. <i>Applied Physics Letters</i> , 2014, 104, 031904.	1.5	25
85	Controllable assembly of silver nanoparticles induced by femtosecond laser direct writing. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 024805.	2.8	25
86	Hybrid $\pi$ -State Dynamics of Dye Molecules and Surface Plasmon Polaritons under Ultrastrong Coupling Regime. <i>Laser and Photonics Reviews</i> , 2018, 12, 1700176.	4.4	25
87	Black Silicon IR Photodiode Supersaturated With Nitrogen by Femtosecond Laser Irradiation. <i>IEEE Sensors Journal</i> , 2018, 18, 3595-3601.	2.4	25
88	Flexible lasers based on the microstructured single-crystalline ultrathin films. <i>Journal of Materials Chemistry</i> , 2012, 22, 24139.	6.7	24
89	Surface plasmon enhanced absorption dynamics of regioregular poly(3-hexylthiophene). <i>Applied Physics Letters</i> , 2011, 98, 251501.	1.5	23
90	Universal Electron Injection Dynamics at Nanointerfaces in Dye $\pi$ -Sensitized Solar Cells. <i>Advanced Functional Materials</i> , 2012, 22, 2783-2791.	7.8	23

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91	Integrated optofluidic-microfluidic twin channels: toward diverse application of lab-on-a-chip systems. Scientific Reports, 2016, 6, 19801.	1.6	23
92	Mask-free construction of three-dimensional silicon structures by dry etching assisted gray-scale femtosecond laser direct writing. Applied Physics Letters, 2017, 110, .	1.5	22
93	Sapphire Concave Microlens Arrays for High-Fluence Pulsed Laser Homogenization. IEEE Photonics Technology Letters, 2019, 31, 1615-1618.	1.3	21
94	Amplified spontaneous emission in the cyano-substituted oligo(p-phenylenevinylene) organic crystals: Effect of excitation wavelength. Applied Physics Letters, 2010, 96, .	1.5	20
95	Highly Stable On-Chip Embedded Organic Whispering Gallery Mode Lasers. Journal of Lightwave Technology, 2014, 32, 2415-2419.	2.7	20
96	Highly flexible inverted organic solar cells with improved performance by using an ultrasmooth Ag cathode. Applied Physics Letters, 2012, 101, 133303.	1.5	19
97	Rapid Fabrication of Large-Area Periodic Structures by Multiple Exposure of Two-Beam Interference. Journal of Lightwave Technology, 2013, 31, 276-281.	2.7	19
98	Fabrication of Black Silicon With Thermostable Infrared Absorption by Femtosecond Laser. IEEE Photonics Journal, 2016, 8, 1-9.	1.0	19
99	Free-Form Micro-Optics Out of Crystals: Femtosecond Laser 3D Sculpturing. Advanced Functional Materials, 2022, 32, .	7.8	19
100	On-Chip Polarization Rotators. Advanced Optical Materials, 2019, 7, 1900129.	3.6	18
101	Sub-bandgap absorption and photo-response of molybdenum heavily doped black silicon fabricated by a femtosecond laser. Optics Letters, 2021, 46, 3300.	1.7	18
102	Mask-Free Production of Integratable Monolithic Micro Logarithmic Axicon Lenses. Journal of Lightwave Technology, 2010, 28, 1256-1260.	2.7	17
103	Compact Long-Period Fiber Gratings Based on Periodic Microchannels. IEEE Photonics Technology Letters, 2013, 25, 111-114.	1.3	17
104	Point-by-Point Dip Coated Long-Period Gratings in Microfibers. IEEE Photonics Technology Letters, 2014, 26, 2503-2506.	1.3	17
105	Multilevel phase-type diffractive lens embedded in sapphire. Optics Letters, 2017, 42, 3832.	1.7	17
106	Light-Driven Magnetic Encoding for Hybrid Magnetic Micromachines. Nano Letters, 2021, 21, 1628-1635.	4.5	17
107	Hybrid Refractive-Diffractive Optical Vortex Microlens. IEEE Photonics Technology Letters, 2016, 28, 2299-2302.	1.3	16
108	NIR Photodetector Based on Nanosecond Laser-Modified Silicon. IEEE Transactions on Electron Devices, 2018, 65, 4905-4909.	1.6	16

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109	Sub-bandgap photo-response of non-doped black-silicon fabricated by nanosecond laser irradiation. Optics Letters, 2018, 43, 1710.	1.7	15
110	Ultrafast Spectroscopic Study of Insulator-Semiconductor-Semimetal Transitions in Graphene Oxide and Its Reduced Derivatives. Journal of Physical Chemistry C, 2019, 123, 22550-22555.	1.5	15
111	Efficiency Enhancement in Organic Light-Emitting Devices With a Magnetic Doped Hole-Transport Layer. IEEE Photonics Journal, 2011, 3, 26-30.	1.0	14
112	Silicon-Based Suspended Structure Fabricated by Femtosecond Laser Direct Writing and Wet Etching. IEEE Photonics Technology Letters, 2016, 28, 1605-1608.	1.3	14
113	Sub-Bandgap Photo-Response of Chromium Hyperdoped Black Silicon Photodetector Fabricated by Femtosecond Laser Pulses. IEEE Sensors Journal, 2021, 21, 25695-25702.	2.4	14
114	Improved hole injection and transport of organic light-emitting devices with an efficient p-doped hole-injection layer. Applied Physics Letters, 2009, 95, 263303.	1.5	13
115	Organic Crystals: Fabrication and Characterization of Organic Single Crystal-Based Light-Emitting Devices with Improved Contact Between the Metallic Electrodes and Crystal (Adv. Funct. Mater.)	1.0	13
116	Strong coupling in hybrid plasmon-modulated nanostructured cavities. Applied Physics Letters, 2014, 105, 191117.	1.5	13
117	Femtosecond Laser Direct Writing Assisted Nonequilibrium Doped Silicon n <sup>+</sup> -p Photodiodes for Light Sensing. IEEE Sensors Journal, 2015, 15, 4259-4263.	2.4	13
118	Laser-Inscribed Stress-Induced Birefringence of Sapphire. Nanomaterials, 2019, 9, 1414.	1.9	13
119	Mexican-hat potential energy surface in two-dimensional III2-VI3 materials and the importance of entropy barrier in ultrafast reversible ferroelectric phase change. Applied Physics Reviews, 2021, 8, .	5.5	13
120	Three-dimensional micromachining via two-photon-excited photoisomerization. Applied Physics Letters, 2009, 95, 083118.	1.5	12
121	Two-Photon Absorption and Spectral-Narrowed Light Source. IEEE Journal of Quantum Electronics, 2010, 46, 1775-1781.	1.0	12
122	Multimode Coherent Hybrid States: Ultrafast Investigation of Double Rabi Splitting between Surface Plasmons and Sulforhodamine 101 Dyes. Advanced Optical Materials, 2017, 5, 1600857.	3.6	12
123	Mirror-rotation-symmetrical single-focus spiral zone plates. Optics Letters, 2018, 43, 3116.	1.7	12
124	High Curvature Concave-Convex Microlens. IEEE Photonics Technology Letters, 2015, 27, 2465-2468.	1.3	11
125	Investigation of the structure and optical absorption of silicon coated with a chromium film after femtosecond laser irradiation. Semiconductor Science and Technology, 2020, 35, 015019.	1.0	11
126	Laser Fabrication of Bioinspired Graphene Surfaces With Superwettability. Frontiers in Chemistry, 2020, 8, 525.	1.8	10



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127	Polarization Independent Quantum Devices With Ultra-Low Birefringence Glass Waveguides. Journal of Lightwave Technology, 2021, 39, 1451-1457.	2.7	10
128	Circular cross section waveguides processed by multi-foci-shaped femtosecond pulses. Optics Letters, 2021, 46, 520.	1.7	10
129	Many-particle induced band renormalization processes in few- and mono-layer MoS <sub>2</sub> . Nanotechnology, 2021, 32, 135208.	1.3	10
130	Long focusing range and self-healing Bessel vortex beam generator. Optics Letters, 2020, 45, 2580.	1.7	10
131	Broad-Bandwidth Micro-Diffractive Optical Elements. Laser and Photonics Reviews, 2022, 16, .	4.4	10
132	Investigation of Polaron Pair Dynamics in Poly(3-Hexylthiophene) Film by Time Resolved Spectroscopy. IEEE Journal of Quantum Electronics, 2012, 48, 425-432.	1.0	9
133	Measurement of Two-Photon Absorption Cross Section of Metal Ions by a Mass Sedimentation Approach. Scientific Reports, 2016, 5, 17712.	1.6	9
134	Toward On-Chip Unidirectional and Single-Mode Polymer Microlaser. Journal of Lightwave Technology, 2017, 35, 2331-2336.	2.7	9
135	High-Efficiency Spiral Zone Plates in Sapphire. IEEE Photonics Technology Letters, 2019, 31, 979-982.	1.3	9
136	Optical subpicosecond nonvolatile switching and electron-phonon coupling in ferroelectric materials. Physical Review B, 2020, 102, .	1.1	9
137	Parallel-Integrated Sapphire Fiber Bragg Gratings Probe Sensor for High Temperature Sensing. IEEE Sensors Journal, 2022, 22, 5703-5708.	2.4	9
138	Simultaneous Femtosecond Laser Doping and Surface Texturing for Implanting Applications. Advanced Materials Interfaces, 2015, 2, 1500058.	1.9	8
139	Sapphire-Based Dammann Gratings for UV Beam Splitting. IEEE Photonics Journal, 2016, 8, 1-8.	1.0	8
140	Micro-buried spiral zone plate in a lithium niobate crystal. Applied Physics Letters, 2017, 110, 041102.	1.5	8
141	Sulfur-Doped Silicon Photodiode by Ion Implantation and Femtosecond Laser Annealing. IEEE Sensors Journal, 2017, 17, 2367-2371.	2.4	8
142	Axially controllable multiple orbital angular momentum beam generator. Applied Physics Letters, 2020, 117, .	1.5	8
143	Vector scanning subtractive manufacturing technology for laser rapid fabrication. Optics Letters, 2021, 46, 1963.	1.7	8
144	Two-Photon Polymerization Nanomanufacturing Based on the Definition "Reinforcement" Solidification (DRS) Strategy. Journal of Lightwave Technology, 2021, 39, 2091-2098.	2.7	8

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145	Diamond optical vortex generator processed by ultraviolet femtosecond laser. Optics Letters, 2020, 45, 2684.	1.7	8
146	Evidence of concerted inversion for the photon-induced molecular switching of azobenzene using rotation-free azobenzene derivatives. Journal of Materials Chemistry C, 2013, 1, 5244.	2.7	7
147	Strain at Native $\text{SiO}_2/\text{Si}(111)$ Interface Characterized by Strain-Scanning Second-Harmonic Generation. IEEE Journal of Quantum Electronics, 2011, 47, 55-59.	1.0	6
148	Intense Femtosecond Laser-Mediated Electrical Discharge Enables Preparation of Amorphous Nickel Phosphide Nanoparticles. Langmuir, 2018, 34, 5712-5718.	1.6	6
149	Femtosecond Laser Nano-Fabrication With Extended Processing Range. IEEE Photonics Technology Letters, 2019, 31, 133-136.	1.3	6
150	UV-NIR femtosecond laser hybrid lithography for efficient printing of complex on-chip waveguides. Optics Letters, 2020, 45, 1862.	1.7	6
151	Formation of Deep-Subwavelength Structures on Organic Materials by Femtosecond Laser Ablation. IEEE Journal of Quantum Electronics, 2018, 54, 1-7.	1.0	5
152	Top down fabrication of organic nanocrystals by femtosecond laser induced transfer method. CrystEngComm, 2012, 14, 4596.	1.3	4
153	Robust high temperature sensor probe based on a Ni-coated fiber Bragg grating. Chemical Research in Chinese Universities, 2013, 29, 1199-1202.	1.3	4
154	Protein-Based Multi-Mode Interference Optical Micro-Splitters. IEEE Photonics Technology Letters, 2016, 28, 629-632.	1.3	4
155	Centimeter-Sized Aplanatic Hybrid Diffractive-Refractive Lens. IEEE Photonics Technology Letters, 2019, 31, 3-6.	1.3	4
156	Wear-Resistant Blazed Gratings Fabricated by Etching-Assisted Femtosecond Laser Lithography. Journal of Lightwave Technology, 2021, 39, 4690-4694.	2.7	4
157	Resetting directional couplers for high-fidelity quantum photonic integrated chips. Optics Letters, 2021, 46, 5181.	1.7	4
158	Aplanatic Zone Plate Embedded in Sapphire. IEEE Photonics Technology Letters, 2018, 30, 509-512.	1.3	3
159	Tapered and Tip-Grounded Waveguide Electrooptical Microsensors. IEEE Photonics Journal, 2011, 3, 57-63.	1.0	2
160	Active Surface with Dynamic Microstructures and Hierarchical Gradient Enabled by in situ Pneumatic Control. Micromachines, 2020, 11, 992.	1.4	2
161	Anomalous Electro-Optic Effect in Polar Liquid Films. IEEE Journal of Quantum Electronics, 2012, 48, 1310-1313.	1.0	1
162	Organic Single Crystalline Lasers: Distributed Feedback Lasers Based on Thiophene/Phenylene Co-Oligomer Single Crystals (Adv. Funct. Mater. 1/2012). Advanced Functional Materials, 2012, 22, 32-32.	7.8	1

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163	Strong Coupling: Dynamics of Strong Coupling between J-Aggregates and Surface Plasmon Polaritons in Subwavelength Hole Arrays (Adv. Funct. Mater. 34/2016). Advanced Functional Materials, 2016, 26, 6197-6197.	7.8	1
164	Plasmon-Photon Coupled Modes Lasing in a Silver-Coated Hemisphere. IEEE Photonics Technology Letters, 2016, 28, 351-354.	1.3	1
165	Femtosecond laser-induced two-photon polymerization: A new avenue towards microoptics and micromechanics. , 2009, , .		0
166	Robust optical fiber grating achieved by femtosecond laser exposure. , 2010, , .		0
167	The study on strain-induced second-harmonic generation in Si(111) surface and native SiO <sub>2</sub> /Si(111) interface. , 2010, , .		0
168	Excited State Dynamics of 2-MPT-Derived Fluorescent Molecular Switches. IEEE Journal of Quantum Electronics, 2011, 47, 1163-1170.	1.0	0
169	Laser nanofabrication: Applications in micro-optics, micro-electronics, micromachines, and microfluidics. , 2011, , .		0
170	Integrating functional components into microfluidic channels by laser nanofabrication technologies toward high-performance LoCs. , 2013, , .		0
171	Time-Resolved Spectroscopic Study of the Aggregation-Induced Emission Mechanism. , 2013, , 337-355.		0
172	Graphene: Moisture-Responsive Graphene Paper Prepared by Self-Controlled Photoreduction (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	11.1	0
173	Optical FIB: Far-field fabrication with real-nanoscale spatial resolution in any solid materials. , 2021, , .		0